

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/096556 A1

(51) International Patent Classification⁷: **H04L 12/56,** 29/06

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/EP2004/003421

(22) International Filing Date: 31 March 2004 (31.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD** [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GENADI, Velev** [BG/DE]; Havelstr. 18, 64295 Darmstadt (DE).

(74) Agent: **KUHL, Dietmar**; Grünecker, Kinkeldey, Stockmair & Schwahnhäuser Anwaltssozietät, Maximilianstr. 58, 80538 München (DE).

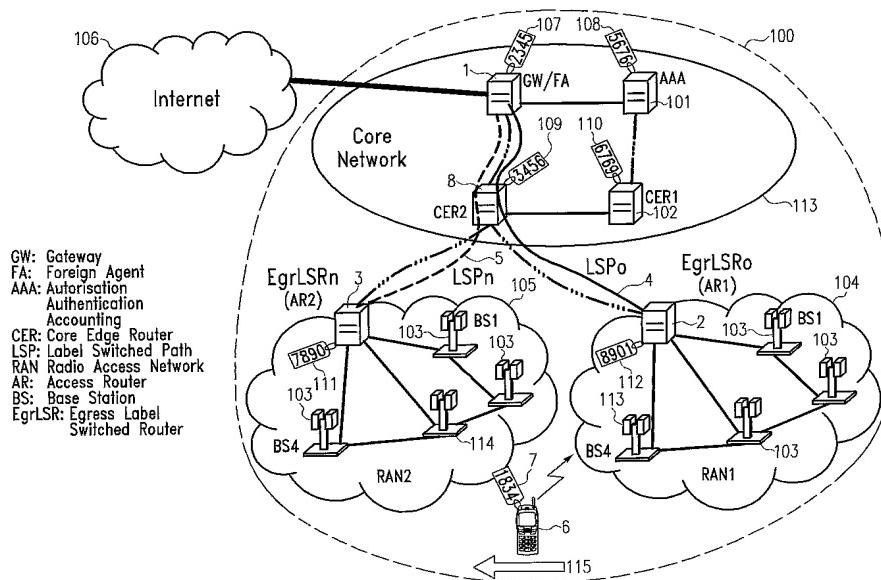
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROVIDING MOBILITY IN A WIRELESS NETWORK EMPLOYING MULTI-PROTOCOL LABEL SWITCHING



(57) Abstract: A method is provided ensuring mobility to a mobile host in a wireless network with multi-protocol label switching deployed in the packet switched core network. When the mobile host is handed over between different domains of the radio access network connected to different egress nodes of the core network, a new data tunnel from the ingress node to the new egress node is built up. The mobile host does not change its Internet protocol address during handover.